

641—42.4(136C) Specific requirements for nuclear medicine technologists.**42.4(1) *Specific eligibility requirements.***

a. Any individual who is registered in nuclear medicine technology with the American Registry of Radiologic Technologists meets the education and testing requirements of this rule.

b. Rescinded IAB 3/30/05, effective 5/4/05.

42.4(2) *Training requirements.*

a. General nuclear medicine technologist. Successful completion of a Joint Review Committee on Educational Programs in Nuclear Medicine approved course of study or equivalent agency-approved training courses designed to prepare the student to demonstrate competency in the following:

- (1) Basic anatomy, physiology, and pathology.
- (2) Intravenous injections and radiopharmaceutical chemistry.
- (3) Radiation physics and mathematics.
- (4) Nuclear instrumentation.
- (5) Radiation biology.
- (6) Radiation protection and radiation protection standards and codes.
- (7) Laboratory procedures and techniques (in vivo and in vitro).
- (8) Clinical application of radiopharmaceuticals used for diagnostic and therapeutic uses and duties performed by the technologist during sealed source procedures.
- (9) Records and administrative procedures.
- (10) Medical ethics.
- (11) Patient care.

b. Limited nuclear medicine technologist. Successful completion of a department-approved training program that prepares the student to demonstrate competency in a specified area. Each program shall include the items in 42.4(2) “*a*” that are specific to the limited area. Included are laboratory technologists who perform nuclear medicine procedures unless the material handled is regulated under 641—paragraph 39.4(22) “*i*.”

c. Graduates of programs recognized by the department in consultation with the professional societies and others as being adequate and appropriate courses of study in nuclear medicine technology may be considered to meet the requirements of this subrule.

d. Clinical experience must be directly supervised by a certified nuclear medicine technologist or by a physician who appears as an authorized user on an Iowa, agreement state, or U.S. Nuclear Regulatory Commission radioactive materials license. Quality assurance and quality control experience may be directly supervised by a pharmacist who appears as an authorized nuclear pharmacist on an Iowa, U.S. Nuclear Regulatory Commission, or agreement state radioactive materials license.

42.4(3) *Examinations.*

a. Any individual, other than a licensed physician, seeking certification as a general nuclear medicine technologist shall, in addition to the requirements of 42.4(2) successfully complete a written examination including the subject matter specified in 42.4(2) “*a*.” The following organizations offer approved general examinations:

- (1) American Registry of Radiologic Technologists.
- (2) Nuclear Medicine Technology Certification Board.

b. Any individual certified under these rules shall be exempt from the examination requirements as long as the original certification remains in effect.

c. Any individual, other than a licensed physician, seeking certification as a limited nuclear medicine technologist shall, in addition to the requirements of 42.4(2) “*b*,” successfully complete a written examination approved by the department which includes the subject matter specified in 42.4(2) “*b*.”

d. Any individual holding a temporary certification must successfully complete an approved examination within six months of the issuance date of the temporary certification.

42.4(4) *Exemptions.*

a. Students enrolled in and participating in an approved program or approved course of study for nuclear medicine technology or an approved school of medicine, osteopathy, podiatry, or chiropractic

who, as a part of their course of study, administer radioactive material to a human being while under the supervision of a licensed physician who appears as an authorized user on an Iowa, agreement state, or NRC radioactive materials license.

b. A licensed physician who appears as an authorized user on an Iowa or NRC radioactive materials license.